Historic, Archive Document

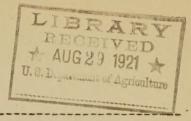
Do not assume content reflects current scientific knowledge, policies, or practices.



cob s

INSECT PEST SURVEY

Bureau of Entomology, U.S. D.A. and State Agricultural Experiment Stations, cooperating.



Special report 4

March 23, 1921.

CUTWORMS

Professor George A. Dean of the Kansas Agricultural Experiment Station writes under date of March 14, as follows:

"For nearly three weeks we have been receiving many reports of cutworms injuring wheat and alfalfa in the south central counties of Kansas. Most of the cutworms that have been sent in to the Department are Chorizagrotis. In some cases the cutworms are distributed over the greater part of the fields, while in other cases they are more numerous along the edge of the wheat fields adjoining pastures. Outbreaks of these cutworms are nothing new for south central Kansas. Almost every year we find them doing some injury. Due to the mild weather, they have appeared some two or three weeks earlier this season than in past years. In most instances they are readily brought under control by use of the poisoned bran mash.

PEA APHIS ATTACKING ALFALFA

Professor Dean also reports under date of March 18, that "during the last week we have received many reports of severe injury to alfalfa by the pea aphis. The seven or eight counties reporting the most serious injury are in the south-central part of the state. This is the first time we have known it to injure alfalfa, although we have known it to injure clover in three of the eastern counties, but even here the injury was local. Some of the County Bureau men have reported fields of 20 and 40 acres badly infested, and the spring growth withering and drying up.

The aphis has appeared much earlier this season than any previous year, due, I presume, to the exceptionally mild winter and early spring. Over most of the State where the injury is reported, the fields are very dry, and the alfalfa is not making nearly the growth it would if there were moisture in the ground."

Greenbug

Professor S. J. Hunter under date of March 17, says:

"that on the 22nd day of February we found greenbugs present in vicinity of Arkansas City, unaccompanied at that time by parasites. We have today come upon a serious infestation in the vicinity of Coffeyville. Parasites are in limited numbers. Mr. Hoffman is in charge of observations of Cowley and Doctor Lawson at Montgomery County. In both of these counties there are also alfalfa fields being seriously infested with pea aphis, M. pisi." Prof. C. E. Sanborn Oklahoma Agric. Exp. Station under date of Mar. 16, says "will state that the greenbug is now being brought under subjection by its parasites. The infestation will not be nearly as severe as during 1907."

Fall Army Worm

Under same date he reports that "the fall army worm is doing considerable damage in wheat in Stafford County."

Conservation and the second second second second segment processing to the street of the entropy and the court of the street o eticle stage of mile appearant of the sales sales to be a sale branche of the consists the former to the second desired a contract the second s the first of the season of the season service sort with the objects of whiteh who was to appropriately the first of the time address and not evaluate asserts and one of the translation of the translation of the same of carried of the restaurcestion hittoneste, and relatedly adjuste to the distance of made a say to came of herein about at all every to the assemble encloses oved rive product thereto and the seast than a transfer and the design of the design of the is two year involves while you committed a the telescope and at an accusa and and the contract the property of the first and the property of the contract of the property of the contract of the property of the contract of which of the sens speciments a treatment particular to the Michigan Society of the TABLE THAT ST. A CONTROL OF THE CASE AS TO TESTING A CONTROL OF THE STATE OF THE ST the creation of the special countries and the contraction of Section 100 and 1 a saon and the broduce another becomes consister discussive and the constitution of th Les Lange de la company de la and the state of the contraction of the state of the stat Construction of the section of the s to Wall make the sure of the sure of and the state of t See that I see to the self of the seed to be and the see the see the seed of t